

WIND NUMBER

DRAWING NUMBER

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REVISION - NONE OFFERED

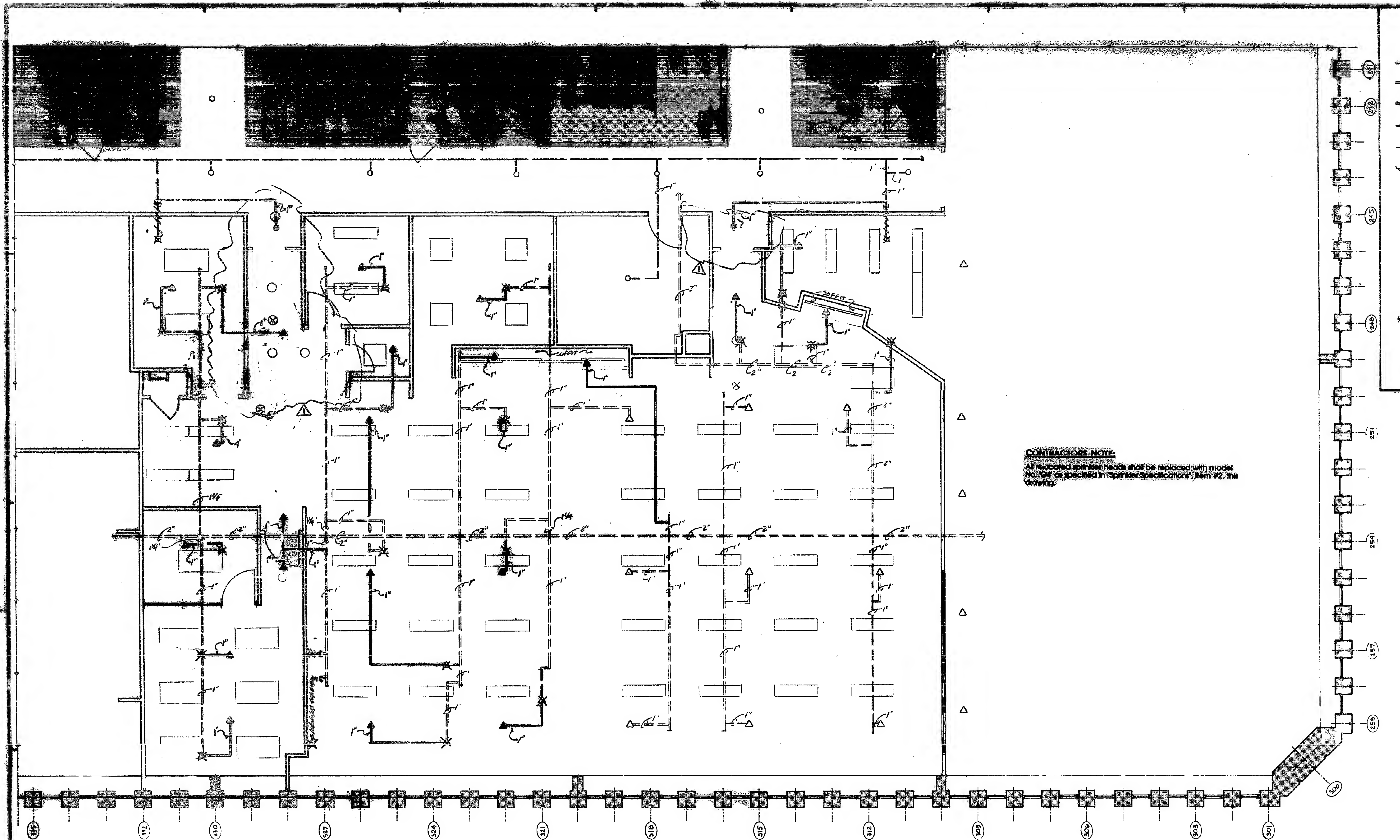
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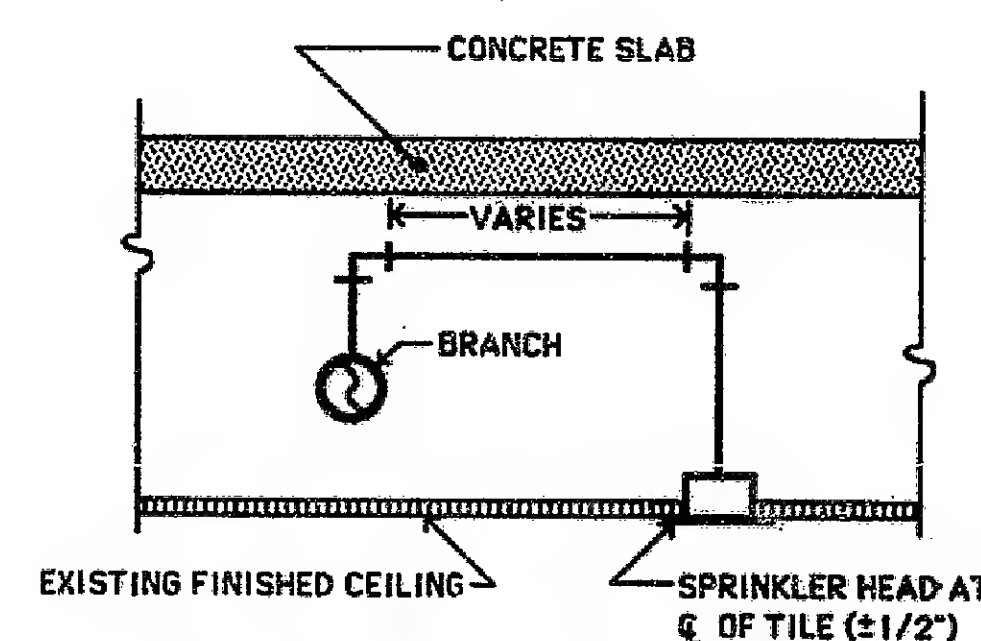
**CONTRACTOR'S NOTE:**  
All relocated sprinkler heads shall be replaced with model No. 104 or specified in Sprinkler Specifications, Item #2, this drawing.

# **SPRINKLER SPECIFICATIONS**

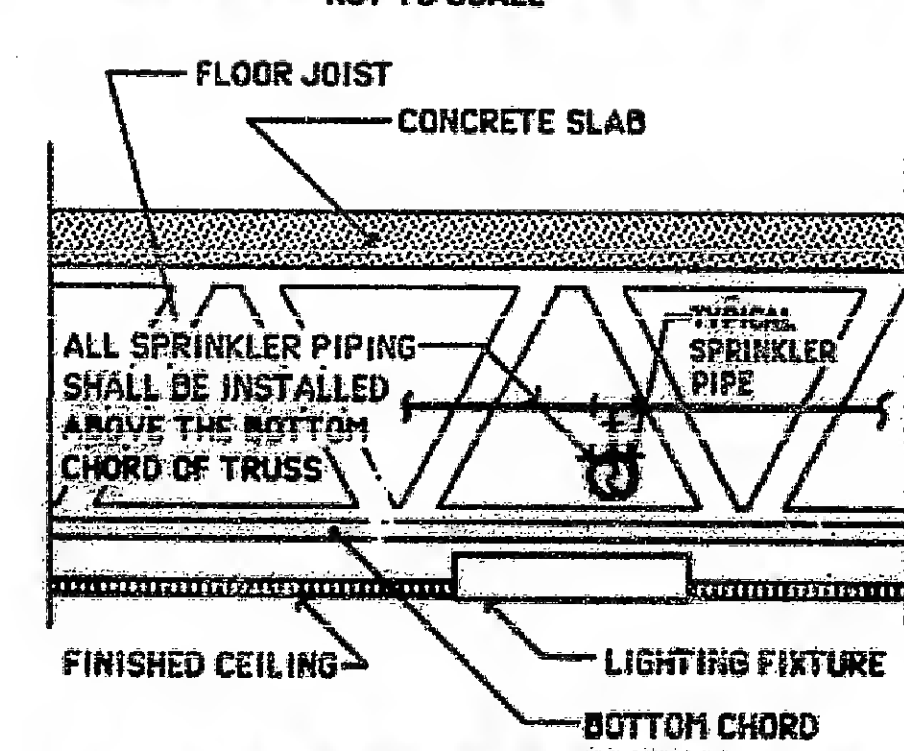
1. Shutdown of existing system: At the time that such closing or opening of valves and shutdown becomes necessary, the Contractor shall notify the Fire Construction Division (at least 48 hours in advance) who will make the necessary arrangements. The Contractor shall keep the shutdown time to a minimum and discharge shall be to a properly connected receptacle without causing damage to other walls and property.
2. Sprinkler heads shall be the Standard Sprinkler Co. concealed type Model "54", 145 degree opening, 1/2" neck or approved equal. Polished chrome.
3. Pipe and fittings shall be the Standard Sprinkler Co. standard weight G.W. Black steel pipe, ASTM standard A106, fittings shall be cast iron, 175 lbs. class threaded.
4. All horizontal piping parallel to and within 15'-0" of exterior walls shall be insulated with 1" fiberglass insulation.
5. Piping and fittings shall be insulated where required by the contract drawings with one inch (1") thick heavy density fiberglass pipe covering with factory applied glass jacket (GJ), self-sealing top and bottom seams with elastomeric gaskets (G) or cement, and protected floorings for fireproof insulation shall be similar in all respects to that manufactured by Owens-Corning Fiberglas. Insulation shall be protected by a metal jacket or other approved material having a flame spread rating not greater than 25, smoke developing rating not greater than 100.
6. Piping shall be installed to drain back to flow control valve. All pipe runs shall be checked and corrected to true. Branch lines shall run towards ceiling frame.
7. Before final connections and sprinkler heads are installed, all piping shall be thoroughly blown out with compressed air to remove all dirt and debris. All pipe and fittings shall be protected from damage by the Contractor to remove all dirt and debris. All pipe and fittings shall be protected from damage by the Contractor to remove all dirt and debris. All pipe and fittings shall be protected from damage by the Contractor to remove all dirt and debris.
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Pipe Size	Max. Hanger Spacing	Min. Rod Size
1"	8'-0" O.C.	3/8"
1-1/2" to 2"	12'-0" O.C.	1/2"

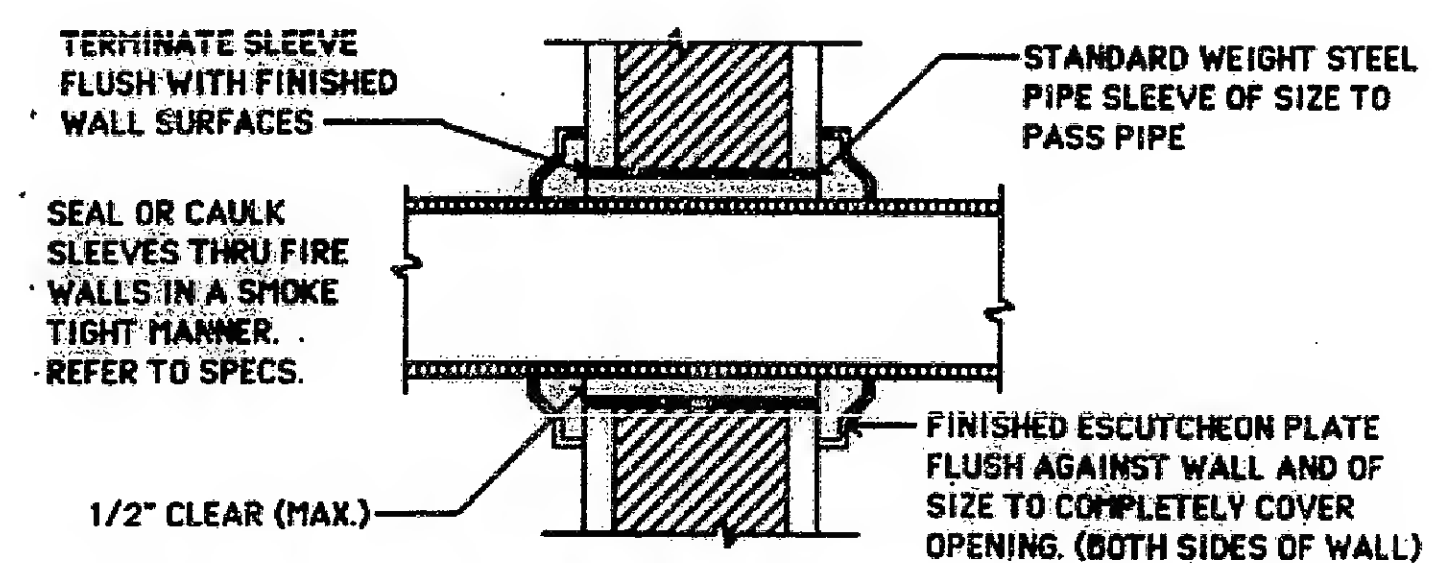
10. All piping shall be installed above the bottom chord of the trusses.
11. Test: After installation shall be tested hydrostatically and remain tight with no loss of pressure for a period of no less than two (2) hours against a pressure of 200 psi. Remaining portion of the floor system shall be isolated from the testing procedure.
12. Code: Entire installation shall comply with all provisions of the NYC Building Code.
13. New construction: All new construction shall be in accordance with the NYC Building Code.
14. Relocation of existing piping shall be kept in a minimum and precaution shall be observed for work above the ceiling.
15. Contractor shall submit detailed shop drawings to the Engineer for approval. No work shall commence until approval is obtained.
16. All existing piping, including hangers, supports, shall be completely removed of the way back to the core (see detail or back to the nearest branch main and capped sealed watertight or airtight). All the openings shall be properly sealed, sealed, and fire stopped to maintain the original integrity of the partition's fire rating.
17. Contractor shall provide a hydraulic calculation to verify pipe size. The hydraulic calculation shall include:
  - a) available static pressure on the floor.
  - b) the minimum water supply requirement density, gpm per square foot.
  - c) size of hydraulic demand.
  - d) occupancy hazard classification.
  - e) sprinkler piping and fittings material.
  - f) all ceiling piping also.



**DETAIL OF TYPICAL PIPING CONNECTION TO SPRINKLER**  
NOT TO SCALE



**DETAIL OF LOCATION OF PIPE IN SUSPENDED CEILING**  
NOT TO SCALE



**TYPICAL DETAIL OF PIPE THRU RATED WALL**  
NO SCALE